

HYTORC



Electric Power Supply Basic Operations Manual

333 Route 17 N.
Mahwah, NJ 07430
USA

800-FOR-HYTORC
(800-367-4986)
201-512-9500

hytorc.com

ABOUT THIS DOCUMENT

ORIGINAL INSTRUCTIONS

This document applies to the Electric Power Supply tool accessory.

Models: LST - 0250, 0700, 1200, 2000, 3000, 5000
LION GUN - .060, .125-DS, .25, .7

Options: LST -U (USB only version)
LION GUN -BSM (Bluetooth version)

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WARRANTY. The Electric Power Supply has a one (1) year limited warranty. Every tool is tested before leaving the factory and is warranted to be free from defects in workmanship and materials. HYTORC will repair or replace, without charge, any tool which, upon examination, proves to be defective in workmanship or materials for one (1) year after the date of purchase.

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STANDARD: IEC 62368-1 AND FCC REGULATION

This power supply is to be used by the skilled person.

Power supply is suitable for use indoor and outdoor use.

IP 65 rated.

State the temperature range -30C to 60C; 90% relative humidity.

Do not operate without Earth Ground.

CAUTION - Double Pole, Neutral Fusing. Disconnect mains before servicing.

Equipment is intended to be fastened in place, the instructions shall explain how to securely fasten the equipment when the item is not in the case.

Installation instructions for outdoor equipment shall include details of any special features needed for protection from conditions in the outdoor location.



WARNING! Read all instructions before use. To reduce the risk of injury user must read manual.



ELECTRIC POWER SUPPLY

The Electric Power Supply (EPS) is an accessory for delivering continuous power to HYTORC electric torque tools*. This AC to DC power converter is an optional power source intended to be used in place of an 18V DC or 36V DC lithium-ion battery pack, eliminating the need to swap batteries on repetitive bolting jobs, enhancing overall productivity through dependable continuous operation. It is available with or without the case. The EPS can be used in the provided case or mounted on a wall.

* Check with your HYTORC rep for specific model compatibility.



CONTENTS (Carrying Case)

- Electric Power Supply Unit
- Protective Outer Case
- AC Power Cord (115V-230V)
- DC Power Cord with Tool Adapter (18V/36V)
- Operations Manual

Note: Electric torque tool NOT included.



CONTENTS (Wall Mounted)

- Electric Power Supply Unit
- AC Power Cord (115V-230V)
- DC Power Cord with Tool Adapter (18V/36V)
- Operations Manual

Note: Electric torque tool NOT included.

- Inspect all components – EPS unit, case, cannon plug connectors, adapter cables, power cords, tool adapter – before each use. If damaged, report any sign of damage and do not use.
- When not in use, store the accessory and all components in the case (for model with case).
- Save operations manual in the storage case (for model with case).
- Modifying any of the components invalidates the warranty.
- Repair or replace any obviously worn or damaged parts.
- Contact 800-FOR-HYTORC for assistance or further information.

ENVIRONMENTAL CONSIDERATIONS

The Electric Power Supply (EPS) is designed to provide dependable, uninterrupted power on industrial bolting jobs. Follow these guidelines for reliable long-term operation.

- The converter is IP65 rated.
- When operating electric torque tools and the EPS, do not operate in dusty environments or extreme moisture including rain, snow, or extreme humidity.
- The converter is rated for 90% relative humidity (Non-Condensing, Operating).
- The operating temperature range is between -30°C to 60°C (-22°F to 140°F).
- The storage temperature range is between -40°C to 85°C (-40°F to 185°F).
- Keep case open during operation to maintain airflow and keep electronics within temperature limits.
- This accessory is not certified or approved for explosive environments or areas containing combustible chemical materials.



NOTE:

1. **Confirm the Tool Adapter is compatible with the appropriate HYTORC Electric Torque Tool.**
2. **Both sides of case must be open during operation for EPS to operate properly.**

OPENING AND CLOSING THE EPS

- The case can be orientated in any direction during operation.
- One side section contains the AC and DC adapters and cables.
- The other side section is for ventilation purposes. (This side **MUST** remain uncovered during operation.)



Open case: Turn all butterfly keys to open protective outer case sections.



Close case: Close covers until properly aligned (studded plates must match up), then turn butterfly keys until case is flush and keys no longer rotate.

STUDED PLATES



WALL MOUNTING

Mount the EPS on any secure wall, shelf, rack, or other vertical flat surface using the bracket provided and proper hardware. Use the template in this manual for guidance.



4. OPERATION OF THE ELECTRIC POWER SUPPLY

USING THE EPS

- Connect the AC and DC cords to the EPS by screwing the cannon plug connectors on until hand tight.
- Plug the AC power cord into grounded outlet.
- Connect the DC Power Cord with Tool Adapter to the tool.



Attach: Align the base of the tool with the rails on the Tool Adapter and slide the Tool Adapter firmly into the handle until you hear (or see) the lock snap in place.

Remove: Press the release button on the Tool Adapter and firmly pull it off the tool.

NOTE: When not in use, separate the Tool Adapter from the tool.

Power on the electric torque tool and operate as needed.

NOTE: Please refer to operations manual for instructions on proper usage and handling of the tool that is attached to the EPS.



POWER SUPPLY STATUS INDICATOR

Located on the side of Tool Adapter and provides valuable information about the health of the EPS.



Green LED (on the left) represents the condition of DC power.



Blue LED (on the right) represents the condition of AC power.

DC LED	AC LED	SYSTEM CONDITION
Off	Off	Indicates the Tool Adapter is not receiving power. Confirm the AC power cord is connected to a grounded outlet. Check the AC and DC power cords and the Tool Adapter for damage.
-	5 Hz (rapid blink for 2 seconds*)	Indicates the AC power input is insufficient. Check quality of AC power outlet, power source, or power source cabling.
On	On	System operating.
1 Hz (slow blink)	On	Indicates excessive electrical load. Turn off immediately. Contact HYTORC Service Personnel for servicing the electric tool.
5 Hz (rapid blink)	On	Indicates the EPS is reaching high temperatures. Stop operation. Allow EPS to cool down.
Off	On	Indicates output is off and possible error in the Power Supply or supplied device. Disconnect tool from Tool Adapter and AC power. Reconnect and retry. If the LED indicator is unchanged, disconnect and contact HYTORC Service Personnel.

*After 2 seconds, the AC light will shut off.

06/2023 - First edition. Approved.

09/2023 - Addition added to page 2: *"*Check with your HYTORC rep for specific model compatibility."*

WALL MOUNTING TEMPLATE



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HYTORC WORLD HEADQUARTERS

333 Route 17 North, Mahwah, NJ 07430 • +201-512-9500 • 800-FOR-HYTORC



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